

Electrical Equipment for Explosive Atmospheres Certificate of Type Verification

Applicant	TopWorx Inc.																										
Applicant address	3300 Fern Valley Road Louisville, Kentucky 40213 United States of America	TEL	+1-502-969-8000																								
Manufacturer	1. TopWorx Inc. 2. Emerson Machinery Equipment (Shenzhen) Co. Ltd. 3. Emerson Automation Fluid Control & Pneumatics Poland Sp. z o. o. (Emerson AFCP Poland Sp. z o.o.)																										
Manufacturer address	1. 3300 Fern Valley Road Louisville, Kentucky 40213 United States of America 2. 101 Building 2, COFCO Park, Honglang North 2nd Road, Xin'an Street Bao'an District, Shenzhen 51801 China 3. Kurczaki 132 Lodz 93-331 Poland	TEL																									
Name of product Type	Switchboxes D2 HART7 PST ESD																										
Ex marking	Ex ia IIC T4 Ga Ex ia IIIC T135°C Db																										
Certificate No.	(ITRI)2022 07-00009X																										
Date of first issue	January 07, 2022																										
Date of Renewal																											
Valid period	January 07, 2022 to January 06, 2025																										
Standards:	IEC 60079-0 : 2017 IEC 60079-11 : 2011																										
Ratings:	$U_i=28$ V, $I_i=100$ mA, $P_i=0.7$ W, $C_i=19$ nF, $L_i=14$ μ H																										
Ambient temperature:	-40°C ~ +80°C																										
Main components:	DXP/DXS Casing, Main Board, GO-Switch Board, Terminal Board, O-ring.																										
Type variants:	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>(1)</td><td>(2)</td><td></td><td>(3)</td><td>(4)</td><td>(5)</td><td>(6)</td><td>(7)</td><td>(8)</td><td>(9)</td><td>(10)</td><td>(11)</td> </tr> <tr> <td>DX</td><td>P</td><td>-</td><td>S</td><td>H</td><td>0</td><td>***</td><td>S</td><td>0</td><td>0</td><td>0</td><td>T</td> </tr> </table> <p>(1)Enclosure series : DX (2)Enclosure material : P : aluminum ; S : stainless steel (3)(4)Switch/bus : SH : 2 set switches wired thru module ; SS : 2 set switches wired thru module, 2 set switches via pass-thru circuits (5)Area class : 0 : Ex ia (7)O-ring : S : silicone (8)Pilot : 0/blank : not installed ; 1 : (1) 24 Vdc ; D : (2) 24 Vdc (9)Spool : 0/blank : not installed ; A : aluminum ; 6 : stainless steel (11)Override : T : with Partial Stroke Button ; 0 : without Partial Stroke Button Column (6), (10) are not related to Ex protection.</p>			(1)	(2)		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	DX	P	-	S	H	0	***	S	0	0	0	T
(1)	(2)		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)																
DX	P	-	S	H	0	***	S	0	0	0	T																

Certificate issued by

Industrial Technology Research Institute

195 Sec. 4, Chung Hsing Rd., Chutung, Hsinchu, 310401, Taiwan



Electrical Equipment for Explosive Atmospheres

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Applicant	TopWorx Inc.
Specific conditions of use:	<p>The plastic parts of enclosure may generate an ignition-capable level of electrostatic charge. Therefore the equipment shall not be installed in a location where the external conditions are conducive to the build-up of electrostatic charge on such surfaces. In addition, the equipment shall only be cleaned with a damp cloth.</p> <p>Cable glands or blanking plugs for enclosure entries are not provided with the equipment. For safe use, certified cable glands or blanking plugs with proper type of protections shall be correctly fitted to maintain the integrity of specified protections.</p>
Approval reference:	<p>The assessment of the above equipment is based on the review of IECEx Certificate of Conformity (IECEX UL 20.0070X Issue No : 3) issued by UL LLC (UL), United State of America and the associate test reports (US/UL/ExTR20.0072/00, US/UL/ExTR20.0072/01, US/UL/ExTR20.0072/02, US/UL/ExTR20.0072/03).</p>
Certificate history:	Issue 1 (B202100343) (2022-01-07)

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